Haier Biomedical
Intelligent Protection of Life Science

Floor-Standing Highspeed Refrigerated Centrifuge

LX-210L750R

Scope of Application :

Haier Biomedical LX-210L750R is a floor-standing highspeed refrigerated centrifuge features with 3L capacity and performance up to 47,400 x g, which is ideal for all-purpose use in the industrial and research sectors.

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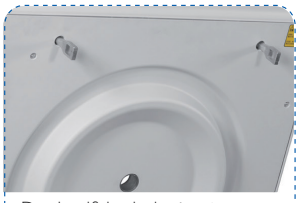
Floor-Standing Highspeed Refrigerated Centrifuge

Excellent Performance

- Offering a broad portfolio of fixed-angle and swing-out rotors, which can accommodate tubes and bottles from 1.5 ml to 750 ml, as well as deep-well plates
- Optimized multi-layer shock absorption technology makes the sound level ≤ 56(dB(A))
- Automatic radio-frequency rotor identification (RFID) that enables immediate identification of a rotor once it is securely placed in the centrifuge chamber, avoid over-speed, reduce error messages, and enhance the safety
- High-strength, aero-aluminum rotor, which is acid and alkali corrosion-resistant, greatly increases the service life, and allows for 50,000 uses
- Low center of gravity design, amplitude less than 0.05mm, ensuring stable operation and good centrifugal effect
- Use of brushless induction motors to provide maintenance-free operation, eliminating carbon particle emissions

User-friendly Design



Dual self-lock design to ensure safe operation

Dual gas springs with safety protection

4 universal casters and 4 levelling feet allows for easy movement and locks safely into place

- Patented tool-free rotor exchange technology enables the installation and removal of rotors on the centrifuge automatically and securely without the need for an tools
- Pull the handle to quickly remove and install the rotor

316 stainless steel centrifuge chamber is rust-free and easy to clean

USB port for exporting operation record including speed, time and temperature, operation curve with alarm messages etc.

Triple-layer construction to ensure safe use

Intuitive Interface

The 7-inch 45° glove-friendly touchscreen, the wide viewing angle more comfortable and practical for users of all heights

Further enhanced with access controls such as user login with password protection, the independent program data of each user is managed separately

Easily monitor the display of set and actual run conditions with enlarged track bar during the run for clear visibility, which ensures the operator can see them from a distance

Quick recall of up to 1000+ programs with alpha-numeric naming to minimize time between runs and for quick run start by routine users

The speed, centrifugal force, time and temperature can be changed by user during the centrifugation process

11 acceleration + 12 deceleration stages

Progress bar

Target speed/ centrifugal force and real-time speed display

Temperature set-point and real-time temperature display

Quick access to stored programs. 1000+ program storage, supports customized programs for convenient

Clear one-touch buttons for fast refrigeration, fast centrifugation, intelligent start-stop and lid-closing status

Enhanced Safety

Real time loading imbalance detection and intelligent lid locking monitoring, immediate shutdown protection in case of imbalance or lid opening

Adopting Φ80mm adjustable feet for more stable installation

Multiple alarm including abnormal voltage alarm, high temperature alarm, overspeed alarm, load imbalance alarm, rotor absent alarm, brake abnormal alarm, rotor life reminder alarm, and other alarm functions

Fully covered steel plate protective sleeve and 12mm steel shell

Specifications

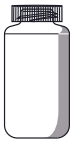
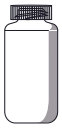
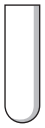
Model	LX-210L750R
Max Capacity	4*750ml
Speed Range (rpm)	500-21,000
Max RCF (xg)	47,400
Speed Accuracy	±10rpm
Time Setting Range	1min~99h59m59s(1-second increment)
Precooling Function	Yes
Temperature Setting Range	-20~40, adjustable to 1
Display	7 inch touch screen
Cooling	Direct Cooling
Noise (dB(A))	≤56
Power Supply(V/Hz)	AC220 50/60Hz
Power (W)	3400
Exterior Dimensions (W*D*H)(mm)	920*740*990
Lid Opening Height (mm)	1720
Net Weight (kg)	375
Packing Dimensions (W*D*H)(mm)	1150*940*1270
Gross Weight (kg)	470
Certification	CE

Floor-Standing Highspeed Refrigerated Centrifuge

Fixed-angle Rotor

BE No.	BE12D0001
Type	Sealed
Max Capacity	6*500ml
Max RCF (xg)	17,778
Max Speed (rpm)	10,000

Adapter(Sets of 6) for BE12D0001

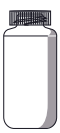
BE No.	No adapter needed	BE12JT002	BE12JU002	BE12JV002	BE12JW002	BE12JX002	BE12JY002	BE12JZ002	BE12J0003	BE12J1003
Max Capacity	500ml	250ml	100ml	2*50ml	2*50ml	4*30ml	7*15ml	8*10ml	10*5ml	14*1.5/2ml
Tubes Per Adapter/Rotor	6	1/6	1/6	2/12	2/12	4/24	7/42	8/48	10/60	14/84
Tube										
Max Tube Dimensions (Ø x L mm)	69.5*170	62*126	38*120	29*105	29*118	25*102	17*121	16*86	13*54	11*38
Tube Type	Flat bottom	Flat bottom	Round bottom	Round bottom	Conical bottom	Round bottom	Conical bottom	Round bottom	Round bottom	Conical /Round bottom

Fixed-angle Rotor

BE No.	BE12D1001
Type	Sealed
Max Capacity	6*250ml
Max RCF (xg)	25,115
Max Speed (rpm)	12,000

BE No.	BE12D5001
Type	Sealed
Max Capacity	4*250ml
Max RCF (xg)	29,440
Max Speed (rpm)	14,000

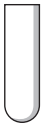
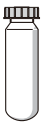
Adapter(Sets of 6) for BE12D1001, BE12D5001

BE No.	No adapter needed	BE12JF003	BE12JG003	BE12JH003	BE12JJ003
Max Capacity	250ml	100ml	50ml	50ml	5*15ml
Tubes per adapter/ rotor (BE12D1001)	6	1/6	1/6	1/6	5/30
Tubes per adapter/ rotor (BE12D5001)	4	1/4	1/4	1/4	5/20
Tube					
Max Tube Dimensions (Ø x L mm)	62*123	38*120	29*105	29*118	17*121
Tube Type	Flat bottom	Round bottom	Round bottom	Conical bottom	Conical bottom

Fixed-angle Rotor

BE No.	BE12D4001
Type	Sealed
Max Capacity	10*100ml
Max RCF (xg)	21,280
Max Speed (rpm)	12,000

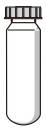
Adapter(Sets of 6) for BE12D0001

BE No.	No adapter needed	BE12JS003	BE12JR003	BE12JQ003	BE12JN003	BE12JP003	BE12JT003
Max Capacity	100ml	50ml	50ml	25ml	15ml	15ml	2*10ml
Tubes Per Adapter/Rotor	10	1/10	1/10	1/10	1/10	1/10	2/20
Tube							
Max Tube Dimensions (Ø x L mm)	38*120	29*105	29*118	22*110	17*121	17*121	16*86
Tube Type	Round bottom	Round bottom	Conical bottom	Round bottom	Round bottom	Conical bottom	Round bottom

Fixed-angle Rotor

BE No.	BE12D7001
Type	Sealed
Max Capacity	8*50ml
Max RCF (xg)	38,460
Max Speed (rpm)	18,000

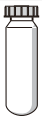
Adapter(Sets of 8) for BE12D7001

BE No.	No adapter needed	BE12JK003
Max Capacity	50ml	15ml
Tubes Per Adapter/Rotor	1/8	1/8
Tube		
Max Tube Dimensions(Ø x L mm)	29*105	17*121
Tube Type	Round bottom	Round bottom

Fixed-angle Rotor

BE No.	BE12D6001
Type	Sealed, round bottom
Max Capacity	6*50ml
Max RCF (xg)	44,800
Max Speed (rpm)	20,000

Adapter(Sets of 6) for BE12D6001

BE No.	No adapter needed	BE12JM003	BE12JL003
Max Capacity	50ml	30ml	15ml
Tubes Per Adapter/Rotor	1/6	1/6	1/6
Tube			
Max Tube Dimensions (Ø x L mm)	29*105	25*102	17*121
Tube Type	Round bottom	Round bottom	Round bottom

BE No.	BE12D8001
Type	Sealed, conical bottom
Max Capacity	6*50ml
Max RCF (xg)	44,800
Max Speed (rpm)	20,000

Adapter(Sets of 6) for BE12D8001

BE No.	No adapter needed	BE12JC002
Max Capacity	50ml	15ml
Tubes Per Adapter/Rotor	1/6	1/6
Tube		
Max Tube Dimensions (Ø x L mm)	29*118	17*121
Tube Type	Conical bottom	Conical bottom

Fixed-angle Rotor

BE No.	BE12D3001
Type	Sealed
Max Capacity	12*15ml
Max RCF (xg)	28,618
Max Speed (rpm)	16,000

Tube for BE12D3001	
Max Tube Capacity	15ml
Tube per Rotor	12
Max Tube Dimensions (Ø x L mm)	17*121
Tube Type	Conical bottom

BE No.	BE12D2001
Type	Sealed
Max Capacity	16*10ml
Max RCF (xg)	47,400
Max Speed (rpm)	21,000

Tube for BE12D2001	
Max Tube Capacity	10ml
Tube per Rotor	16
Max Tube Dimensions (Ø x L mm)	16*86
Tube Type	Round bottom

Swing-out Rotor

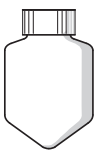
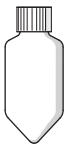
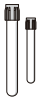
Swing-out Rotor Block

BE No.	BE12FS001
Max. RCF	3488xg
Max. speed	4000rpm

Round Bucket (Sets of 4)

BE No.	BE12G5000
Max. RCF	3488xg
Max. speed	4000rpm
Max Capacity	750ml
Bucket Type	Flat bottom

Adapter (Sets of 4) for BE12G5000

BE No.	No adapter needed	BE12J3003	BE12J4003	BE12J5003	BE12J6003	BE12J7003	BE12J8003	BE12J9003	BE12JA003
Max Capacity	750ml	500ml	250ml	4*100ml	7*50ml	16*15ml	23*10ml	31*7/5ml	56*1.5/2ml
Tubes Per Adapter/Rotor	4	1/4	1/4	4/16	7/28	16/64	23/92	31/124	56/224
Tube									
Max Tube Dimensions (Ø x L mm)	99*140	96*150	60*165	38*120	29*118	17*121	16*86	13*75/100	11*38
Tube Type	Flat bottom	Conical bottom	Conical bottom	Round bottom	Conical bottom	Conical bottom	Round bottom	Small/Large blood collection tube	Conical/ Round bottom

Swing-out Rotor

Swing-out Rotor Block

BE No.	BE12FS001
Max. RCF	3488xg
Max. speed	4000rpm

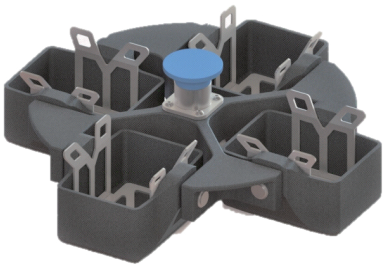
Square Bucket (Sets of 4)

BE No.	BE12HB000
Max. RCF	3488xg
Max. speed	4000rpm
Max Capacity	-
Bucket Type	Flat bottom

Adapter(Sets of 4) for BE12HB000

BE No.	BE12JB003	BE12JC003	BE12JD003	BE12JE003
Max Capacity	9*50ml	20*15ml	30*10ml	39*7/5ml
Tubes Per Adapter/Rotor	9/36	20/80	30/120	39/156
Tube				
Maximum Tube Dimensions (Ø x L mm)	29*118	17*121	16*86	13*75/100
Tube Type	Conical bottom	Conical bottom	Round bottom	Small/Large blood collection tube

Swing-out Rotor



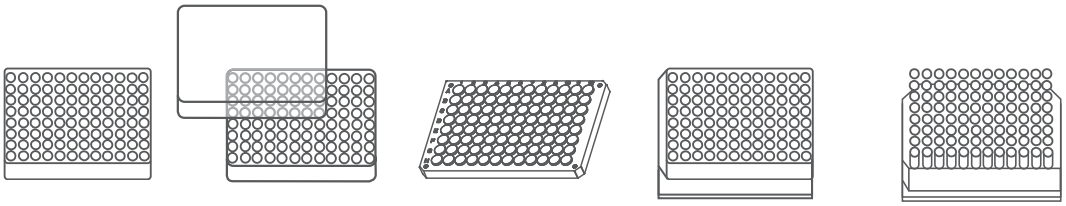
Swing-out Rotor Block

BE No.	BE12FS001
Max. RCF	3488xg
Max. speed	4000rpm

Rectangular Bucket(Sets of 4)

BE No.	BE12HC000
Max. RCF	3148xg
Max. speed	4000rpm
Max Capacity	-
Bucket Type	Rectangular bottom Max height 60mm

Plates for BE12HC000



Plates per bucket/rotor	4/16	3/12	3/12	1/4	1/4
W*D*H (mm)	128*86*15	128*86*17.5	128*86*20	128*86*44.5	128*86*60
Plate Type	MTP (without lid)	MTP (with lid)	PCR plate 96-fold	DWP	Filter plate

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